05 90
1009

ENTERED

#7

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,323

DATE: 10/11/2002
TIME: 08:29:04

Input Set : N:\jumbos\huge\10052323.raw.TXT
Output Set: N:\CRF4\10112002\J052323.raw

```
    3 <110> APPLICANT: UAB Research Foundation
    4        Tang, De-chu C.
    5        Marks, Donald H.
    6        Curiel, David T.
    7        Shi, Zhongkai
    8        Van Kampen, Kent Rigby
   10 <120> TITLE OF INVENTION: Immunization of Animals by Topical Application of a
Salmonella-based Vector
   12 <130> FILE REFERENCE: 858610-2003.2
   14 <140> CURRENT APPLICATION NUMBER: 10/052,323
C--> 15 <141> CURRENT FILING DATE: 2002-09-27
   17 <150> PRIOR APPLICATION NUMBER: 09/563,826
   18 <151> PRIOR FILING DATE: 2000-05-03
   20 <150> PRIOR APPLICATION NUMBER: 60/132,216
   21 <151> PRIOR FILING DATE: 1999-05-03
   23 <150> PRIOR APPLICATION NUMBER: 09/533,149
   24 <151> PRIOR FILING DATE: 2000-03-23
   26 <150> PRIOR APPLICATION NUMBER: 60/055,520
   27 <151> PRIOR FILING DATE: 1997-08-13
   29 <150> PRIOR APPLICATION NUMBER: 60/075,113
   30 <151> PRIOR FILING DATE: 1998-02-11
   32 <150> PRIOR APPLICATION NUMBER: 09/402,527
   33 <151> PRIOR FILING DATE: 1999-10-05
   35 <150> PRIOR APPLICATION NUMBER: PCT/US98/16739
   36 <151> PRIOR FILING DATE: 1998-08-13
   38 <160> NUMBER OF SEQ ID NOS: 12
   40 <170> SOFTWARE: PatentIn version 3.1
   42 <210> SEQ ID NO: 1
   43 <211> LENGTH: 20
   44 <212> TYPE: DNA
   45 <213> ORGANISM: Artificial Sequence
   47 <220> FEATURE:
   48 <223> OTHER INFORMATION: Primer used to amplify DNA
   50 <400> SEQUENCE: 1
   51 atgaaggcaa acctactggt                                              20
   54 <210> SEQ ID NO: 2
   55 <211> LENGTH: 20
   56 <212> TYPE: DNA
   57 <213> ORGANISM: Artificial Sequence
   59 <220> FEATURE:
   60 <223> OTHER INFORMATION: Primer used to amplify DNA
   62 <400> SEQUENCE: 2
   63 gatgcatatt ctgcactgca                                              20
   66 <210> SEQ ID NO: 3
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,323   DATE: 10/11/2002
                                             TIME: 08:29:04

Input Set : **N:\jumbos\huge\10052323.raw.TXT**
Output Set: **N:\CRF4\10112002\J052323.raw**

```
 67 <211> LENGTH: 20
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Primer used to amplify DNA
 74 <400> SEQUENCE: 3
 75 gtggggtatt catcacccgt                                              20
 78 <210> SEQ ID NO: 4
 79 <211> LENGTH: 20
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Primer used to amplify DNA
 86 <400> SEQUENCE: 4
 87 tgcatagcct gatccctgtt                                              20
 90 <210> SEQ ID NO: 5
 91 <211> LENGTH: 20
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Primer used to amplify DNA
 98 <400> SEQUENCE: 5
 99 gcgccattct atcctctaga
102 <210> SEQ ID NO: 6                                                 20
103 <211> LENGTH: 20
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Primer used to amplify DNA
110 <400> SEQUENCE: 6
111 acaatttgga ctttccgccc
114 <210> SEQ ID NO: 7                                                 20
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer used to amplify DNA
122 <400> SEQUENCE: 7
123 gtaccagagt cctttgatcg
126 <210> SEQ ID NO: 8                                                 20
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Primer used to amplify DNA
134 <400> SEQUENCE: 8
135 ccctcgggtg taatcagaat
138 <210> SEQ ID NO: 9                                                 20
139 <211> LENGTH: 20
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,323

DATE: 10/11/2002
TIME: 08:29:04

Input Set : **N:\jumbos\huge\10052323.raw.TXT**
Output Set: **N:\CRF4\10112002\J052323.raw**

```
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Primer used to amplify DNA
146 <400> SEQUENCE: 9
147 ccgtctgaag ataccttcaa                                          20
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 20
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer used to amplify DNA
158 <400> SEQUENCE: 10
159 accagtccca tgaaaatgac                                          20
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Primer used to amplify DNA
170 <400> SEQUENCE: 11
171 ggctcctttg catgtaacag                                          20
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer used to amplify DNA
182 <400> SEQUENCE: 12
183 cctactgtaa tggcacctgt                                          20
```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/052,323   DATE: 10/11/2002
                                            TIME: 08:29:05

Input Set : **N:\jumbos\huge\10052323.raw.TXT**
Output Set: **N:\CRF4\10112002\J052323.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 10

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/052,323

DATE: 10/11/2002
TIME: 08:29:05

Input Set : N:\jumbos\huge\10052323.raw.TXT
Output Set: N:\CRF4\10112002\J052323.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date